

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2. (Canceled)

3. (New) A bacterial cellulose comprising ribbon-shaped microfibrils having a Young's modulus of about 13 to 20 GPa.

4. (New) The bacterial cellulose of Claim 1, having a width of 250 to 600 nm.

5. (New) The bacterial cellulose of Claim 1, having a Young's modulus of about 13 to 20 Gpa.

6. (New) The bacterial cellulose of Claim 1, wherein the ratio of the major axis to the minor axis is about 36:1 to 500:1.

7. (New) The bacterial cellulose of Claim 1, wherein the ratio of the major axis to the minor axis is about 125:1 to 143:1.

8. (New) The bacterial cellulose of Claim 1, having an elongation at rupture of about 0.9 to 2.1%.

9. (New) The bacterial cellulose of Claim 1, having an elongation at rupture of about 1.4 to 1.8%.

10. (New) A method of producing the bacterial cellulose of Claim 1, comprising culturing cellulose-producing bacteria which produce the bacterial cellulose extracellularly in a culture medium containing a cell division inhibitor, and recovering the bacterial cellulose produced in the culture medium.